AUTO-STOP/START - ENGINE DRIVE TECHNOLOGY

Technology That Saves

Engine driven welder/generators are the heartbeat of any structural or pipeline jobsite. Relied upon to be ready at any time for welding, powering up tools and lights, and even charging other job site equipment, these workhorses can start up first thing in the morning — and not be turned off until the end of the day regardless of the level of use throughout the shift.

Unfortunately, these types of all-day operations take a toll on the wallet with high fuel bills and frequent maintenance requirements. To help balance the need between on-demand power and efficient, cost saving operations, Lincoln Electric® offers Auto-Stop/Start technology. Fleet managers now have a feature which automatically monitors machine use and places the engine into a standby power mode when not in use — drastically saving on fuel cost and machine hours.

How it Works

To utilize the Auto-Stop/Start technology, the operator can easily set a time period of non-use on the user interface. If the machine is not used in the predetermined time, the engine will automatically shut down and the machine will go into standby mode. When power is needed again, the operator can simply tap the electrode to the work piece and the engine will automatically restart.



Set the "No Load Period" of the machine (5-120 min)



When reached, engine will shut down, and machine will go into a standby mode



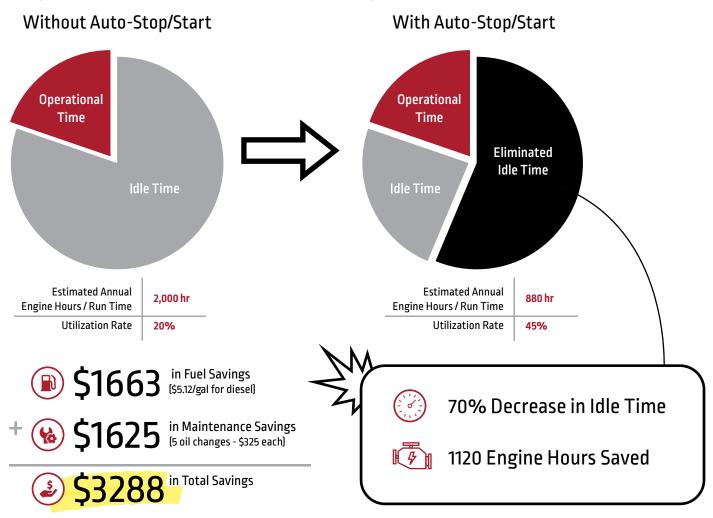
To restart engine, tap the electrode to the work piece



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Potential Savings with Auto-Stop/Start

Savings based off of comparison of estimated 2,000 hours of active engine hours / run time.



Environmental Impact

Auto-Stop/Start technology not only reduces fuel costs and machine hours, but also helps to cut down on total engine emissions for improved environmental impact. With increased attention on corporate social responsibility, particularly around sustainability, Auto-Stop/Start technology can help companies reach their environmental stewardship goals to reduce their greenhouse gases.

As highlighted in the use case above, Auto-Stop/Start helps to cut the annual engine run time by over half — eliminating a substantial amount of emissions in the process. This means a greener and more environmentally friendly product.

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Monitor Your Savings

To better understand your equipment usage, all Lincoln Electric engine driven welder/generators with Auto-Stop/Start technology have embedded productivity metrics that provide useful machine information. This allows fleet managers to make informed decisions to maximize the efficiency of their machines.

Productivity Metrics Include:

Arc Hours:

Tracks the time spent actively welding with the machine.

Auxiliary Hours:

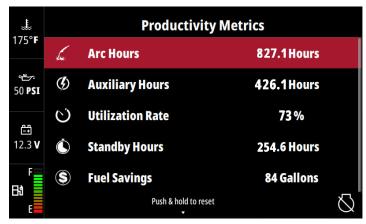
Monitors the time spent using the auxiliary power on the machine.

Utilization Percent:

Represents how efficiently the machine is being used, displaying percentage of time the machine is under load with respect to the total hours on the engine.

Standby Hours:

Records the number of saved engine hours while the machine is in standby mode.



Productivity Metrics Screen on the Frontier® 400X

Fuel Saved:

Calculates the amount of fuel saved from utilizing the Auto-Stop/Start feature.

Featured On



Dual Maverick® 200/200X



Maverick® 325X



Frontier® 400X



Frontier® 400X Pipe

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